



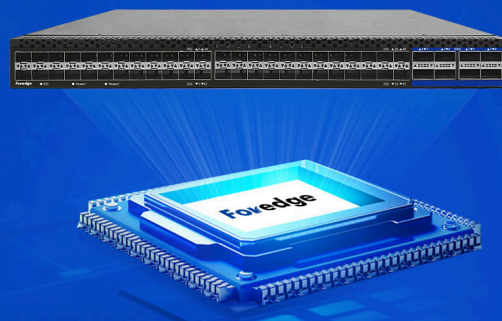
- 48 * 2 5G/10G SFP2 8 optical ports
- 8 * 100 G/40 G QSFP2 8 uplink optical port
- Marvell chip with more stable and powerful performance
- High end chips that can significantly improve network data processing speed
- Supports one-stop management on the Apollo cloud platform
- Support cloud platform for resource visualization management of switches and attached PD devices, making operation and maintenance management simpler

Overview

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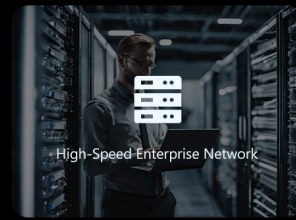
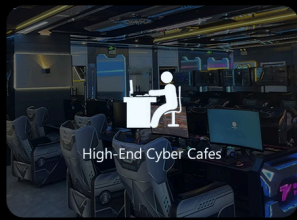
Switch backplane bandwidth	Packet forwarding	switch port
4Tbps	2Mpps	4 8 * 2 5G/1 0G SFP2 8 optical port
Working Humidity	Dimensions (W × D × H)	
10% ~ 90% RH non-condensing	440mm × 320mm × 44mm	8 * 100 G/40 G QSFP2 8 uplink optical port

48-Port 25G Data Center Managed Ethernet Switch



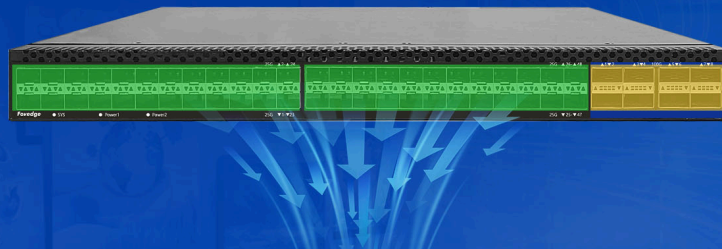
APPLICABLE SCENARIOS

S6700-48TF-8QF can also be deployed as aggregation or core switches for enterprise campus LAN networks.



HIGHLIGHT FEATURES

4 * 8 * 2 5G/10G SFP2 8 optical ports
8 * 100 G/40 G QSFP2 8 uplink optical port



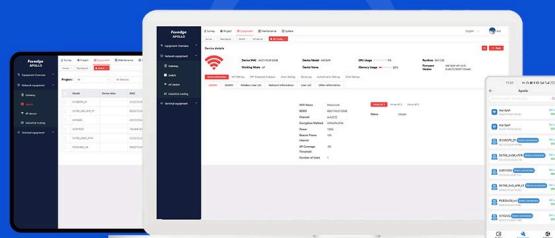
HIGH END CHIPS

- High end chips with more stable and powerful performance
- High end chips that can significantly improve network data processing speed

ForEdge

APOLLO CLOUD SYSTEM MANAGEMENT PLATFORM

Supports one-stop management on the Apollo cloud platform.





Specifications

Hardware Specification:	
Network Interface	● 48 * 25 G/ 10 G SFP28 optical interfaces ● 8 * 100 G/ 40 G QSFP28 optical interfaces ● 1 * Console port ● 1 * Management port ● 1 * USB port
Redundant Design	● Support 2 pluggable power, 1 + 1 backup mode ● Support 2 pluggable fans
Switching Capacity	● 4Tbps
Packets Forwarding	● 2000 Mpps
RAM	● 4 GB
FLASH	● 64MB
EMMC	● 3.5 GB
Port Buffer	● 32 MB
Power Supplier	● DC: -40V~-57V, rated voltage -48V ● AC: 100V~240V, rated voltage 110V/220V ● High voltage DC: 190-400V, rated voltage 240V/336V
Dimension	● WxDxH : 440×420×44mm
Environment	● Operating temperature : 0 °C~ 40 °C ● Storage temperature : -40°C~ 70°C ● Operating humidity : 10% ~ 90% RH non condensing ● Storage humidity : 10% ~ 90% RH non condensing
Safety Regulations	● CE/ ROHS/ FCC
Software Specifications:	

VLAN	Support 4K VLAN Support 1:1 and N: 1 802.1p based VLAN Mapping Support VLANs based on MAC, protocol, and IP Support Guest VLAN,Voice VLAN Support QinQ,selective QinQ
IP	Support 256K IPV4/64K IPV6 Support IPV4/IPV6 static routing Support GRE tunnel Support ECMP Support policy routing Support OSPF, IS-IS, BGP and other IPv4 Dynamic routing protocols Support OSPFv3, IS-ISv6, BGP4+ and other IPv6 Dynamic routing protocols Support IGMP , IGMP Snooping , MLD Snooping
VXLAN	Supports VXLAN Layer 2 switching, routing switching, and Layer 3 gateway Support EVPN VXLAN Support IPv6 VXLAN over IPv4
EVPN	Support EVPN Support MP-BGP,EVPN's RR function Support symmetric IRB
Reliable Features	Support STP/RSTP/MSTP Support BPDU protection, Root protection, and Loop protection; Support for BPDU Tunnel Support BPDU tunnel Support BFD session binding Static routing, VRRP, OSPF, IS-IS, BGP, RIP
Stacking	Supports horizontal virtualization technology and unified management of multiple devices
IPv6	Support ND(Neighbour Discovery) ,support PMTU Support time period based ACLs Support IPV6 Ping , Traceroute Support dual stacks of IPv4 and IPv6; Support multiple tunnel technologies Supports ACLs based on source IPv6 address, destination IPv6 address, layer 4 port, protocol type, etc
Software Specifications:	
QoS	Support L2-L4 packet filtering function, providing filtering based on MAC, IP, port, protocol, IP ToS, 802.1P priority, VLAN ID, SVLAN ID, VLAN range, etc. Support time period based ACLs Support Bandwidth throttling based on stream/VLAN (single speed and dual color) Support streaming of single speed tricolor and dual speed tricolor Support flow based priority scheduling and priority mapping

	Support scheduling algorithms such as SP/PQ, DRR, SP/PQ+DRR, etc Supports 8 QoS hardware priority queues per port Support 802.1p , DSCP/ToS priority Support queue cache management strategies such as end of queue discarding and WRED
Security Features	Support hierarchical management of user permissions and hierarchical protection of command lines Support 802.1x,RADIUS,TACACS+ Support user level quantity limit Support user binding (port, source MAC, source IP address access control) Support SNMP login terminal restrictions Support SSH2.0 Support IP source guard Support black hole MAC Supports MAC address limit Support anti ARP and DDoS attacks
Maintenance	Support Console,Telnet,SSH protocols Support SNMP V1/V2/V3,support standard MIB Support Netconf management protocol,support REST API Support for the gNMI protocol,support Telemetry protocol Support FTP/TFTP Support unified management of logs, alarms, and debugging information Support user action logs Support RMON Supports port mirroring and stream mirroring Supports BootROM upgrade and remote online upgrade, supports hot patches

Additional information

Models	S6700-48YF-8QF-H
Series	Data Center Series

Related products

			
S6700-32QF 32-Port 100G Data Center Managed Ethernet Switch	S6700-24TF-2QF 100G uplink 24 port 10G Managed Switches	S6700-64CQ 64-Port 400G Data Center Managed Ethernet Switch	S6700-32CQ 32-Port 400G Data Center Managed Ethernet Switch